10th Class 2020			
Group-II	PAPER.		
(Objective Type)	Max. Marks: 1		

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- The solution set of equation  $4x^2 16 = 0$  is: 1-1-
  - (a)  $\{\pm 4\}$

- (b) {4}
- (c) {± 2} 1.
- $(d) \pm 2$
- If  $\alpha$ ,  $\beta$  are the roots of  $7x^2 x + 4 = 0$ , then  $\alpha\beta$  is: 2-
  - (a)  $\frac{-1}{7}$

(b)  $\frac{4}{7} \sqrt{ }$ 

(c)  $\frac{7}{4}$ 

- (d)  $\frac{-4}{7}$
- Two square roots of unity are: 3-
  - (a) 1, −1 √
- (b) 1, ω
- (c) 1, -ω NPR
- (d)  $\omega$ ,  $\omega^2$
- Find x in proportion 4:x::5:15:
  - (a)  $\frac{75}{4}$

(b)  $\frac{4}{3}$ 

(c)  $\frac{3}{4}$ 

- (d) 12 1/
- If a : b = x : y, then invertendo property is: 5-
  - (a)  $\frac{a}{x} = \frac{b}{v}$
- (b)  $\frac{a}{a-b} = \frac{x}{x-v}$
- (c)  $\frac{a+b}{b}$
- (d)  $\frac{b}{a} = \frac{y}{v} \sqrt{$
- $\frac{x^3+1}{(x-1)(x+2)}$  is ----. 6-

  - (a) A proper fraction (b) An improper fraction √
    - (c) An identity
- (d) A constant term

7-	The set $\{x \mid x \in W\}$	The set $\{x \mid x \in W \land x \le 101\}$ is:		
	(a) Infinite set	(b) Subset		
	(c) Null set	(d) Finite set 1/		
8-	If A and B are disjoint sets, then A ∪ B is equal to:			
	(a) A	(b) B		
	(c) ¢	(d) B∪A √		
9-	A histogram is a set of adjacent:			
		(b) Rectangles √		
	(c) Circles	(d) Triangles		
10-	The extent of observations of a	variation between two extreme data set is measured by:		
	(a) Average	(b) Range √		
	(c) Quartile	(d) Domain		
11-	$\frac{3\pi}{4}$ radians = :			
	(a) 115°	(b) 135° √		
	(c) 150°	(d) 30°		
12-		through the centre of a circle is		
7 -	called:	(b) Diameter √		
	(a) Radius			
	(c) Circumference	only one point in common with a		
13-	circle is called:			
	of a circle	e (b) Cosine of a circle		
		sinds 1/ (d) Secant of a circle		
	A nair of cho	rds of a circle subtention		
14-	annatuent centra	ll angles is.		
	(a) Congruent V	(b) incongruent		
	ninganorum (	(a) Paraller		
15-	Angle inscribed	in a semicircle is:		
	(a) $\frac{\pi}{2} \sqrt{}$	(b) $\frac{\pi}{3}$ (d) $\frac{\pi}{5}$		
	(c) $\frac{\pi}{4}$	(d) $\frac{\pi}{5}$		